



FEMA



Prepared by:
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Monday, April 16, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Monday

- Critical Fire Weather Conditions across NM into West & South TX and Western OK

Tuesday

- Critical to **Extremely Critical** Fire Weather Conditions across NM into W TX and W OK
 - Moderate to high threat of a significant fire outbreak possible for NE NM into the TX/OK Panhandles and W OK

Wednesday - Thursday

- No significant weather impacts on Wednesday
- Critical Fire Weather Conditions possible over Western and Central NM on Thursday

Friday

- Much needed rain is forecast over drought stricken areas of NE NM, W TX, and W OK!
- Severe storms possible for portions of NW & W TX, the TX Panhandle, and SW OK
- Critical Fire Weather Conditions over Southern into East-Central NM and Far West TX

River Flood Status

- River points across SE TX, LA and southern/eastern AR remain in minor flood stage this week.
- No rainfall is forecast over flooded areas for the next 5 days.

FEMA Region 6 Threat Matrix

April 16, 2018 – April 20, 2018



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DAY / THREAT	MON	TUE	WED	THU	FRI
Severe Storms					NW&W TX/ TX Panhandle/ SW OK
Heavy Rain / Flash Flooding					
Fire Weather	NM, W&STX, W OK	NM, WTX, W OK		Western/Central NM	Southern/East-Central NM Far West TX
Winter Weather					
River Flooding	SE TX, LA, S&E AR				

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

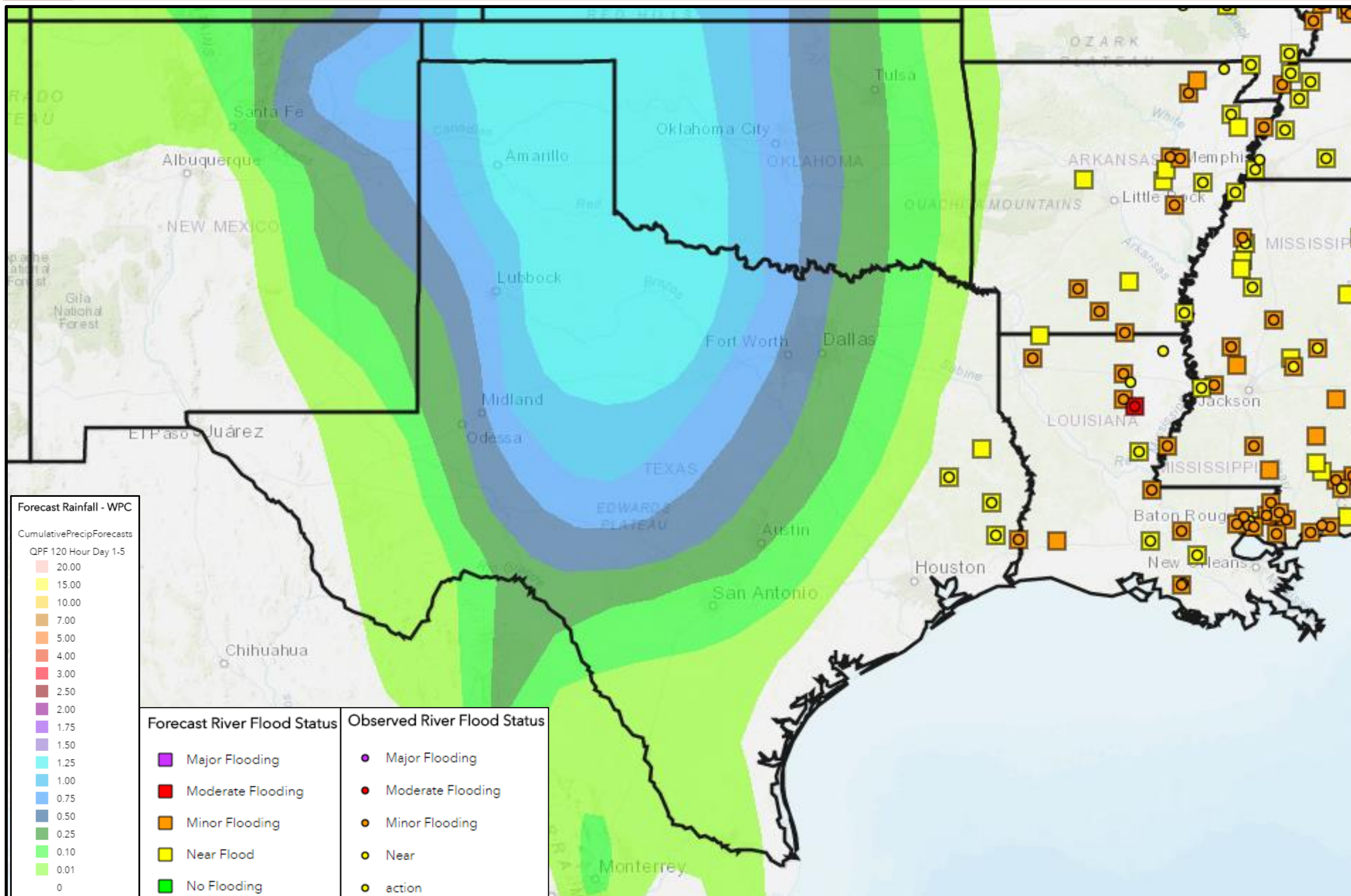
For more details on the colors in the threat matrix refer to the last slide in this briefing.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



River points across SE TX into LA and southern/eastern AR remain in minor flood stage this week.

No rainfall is forecast over flooded areas for the next 5 days.

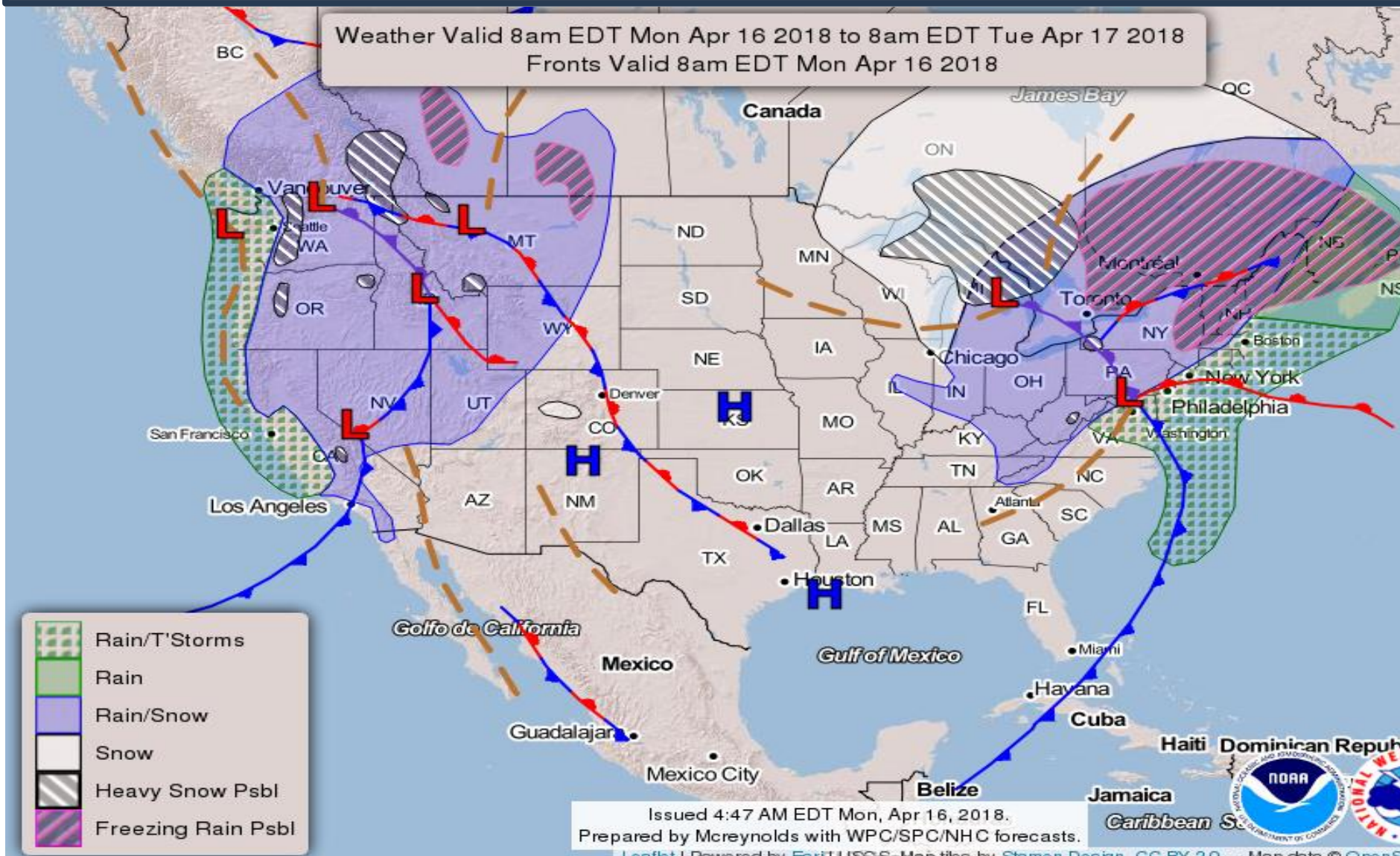
Much needed rain is forecast on Friday over drought stricken areas of NE NM, W TX, and W OK!

Today's Weather



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Forecast Chart

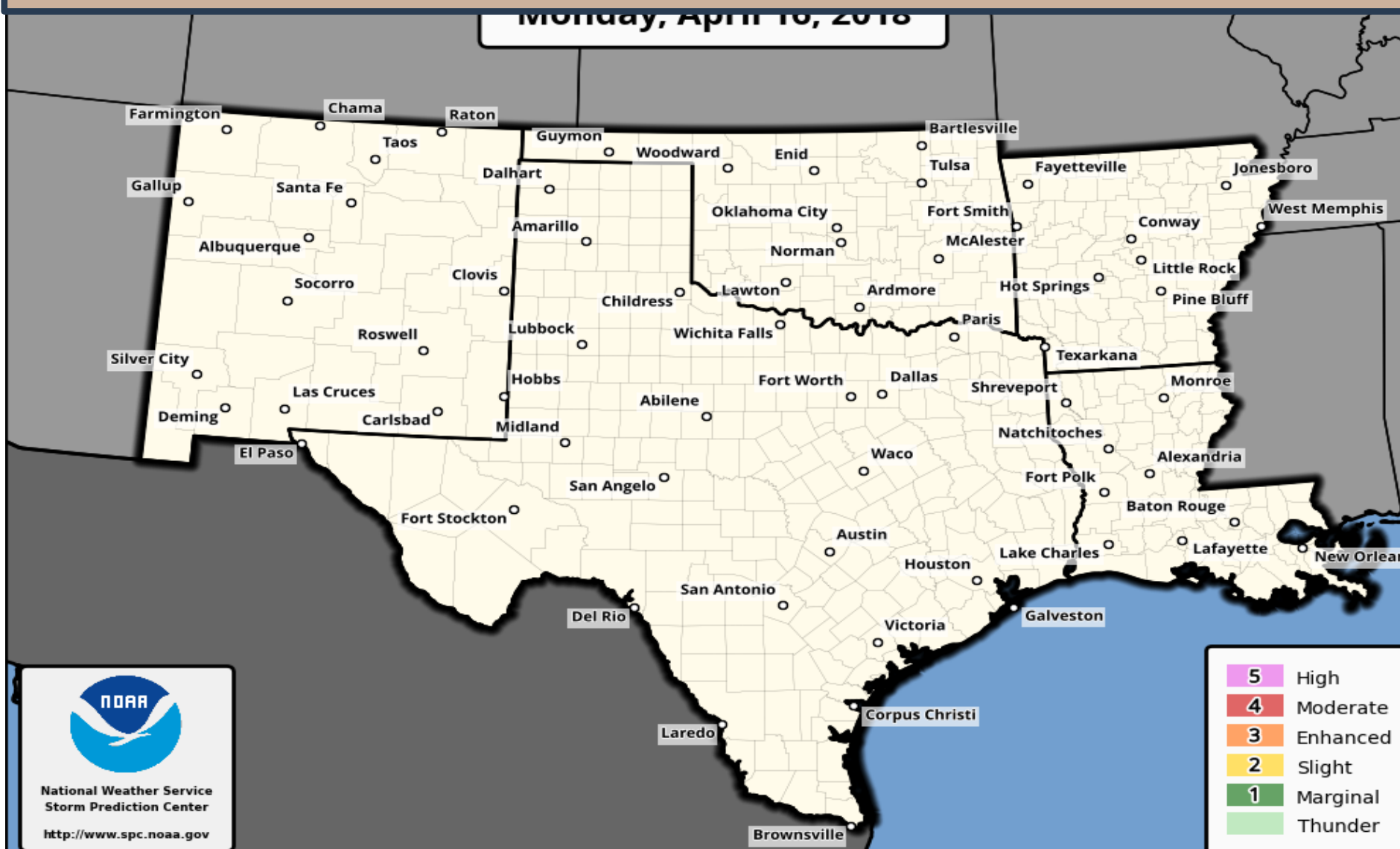


Forecast Rainfall



No Significant Weather
expected.

Severe Weather Outlook



Excessive Rainfall Outlook

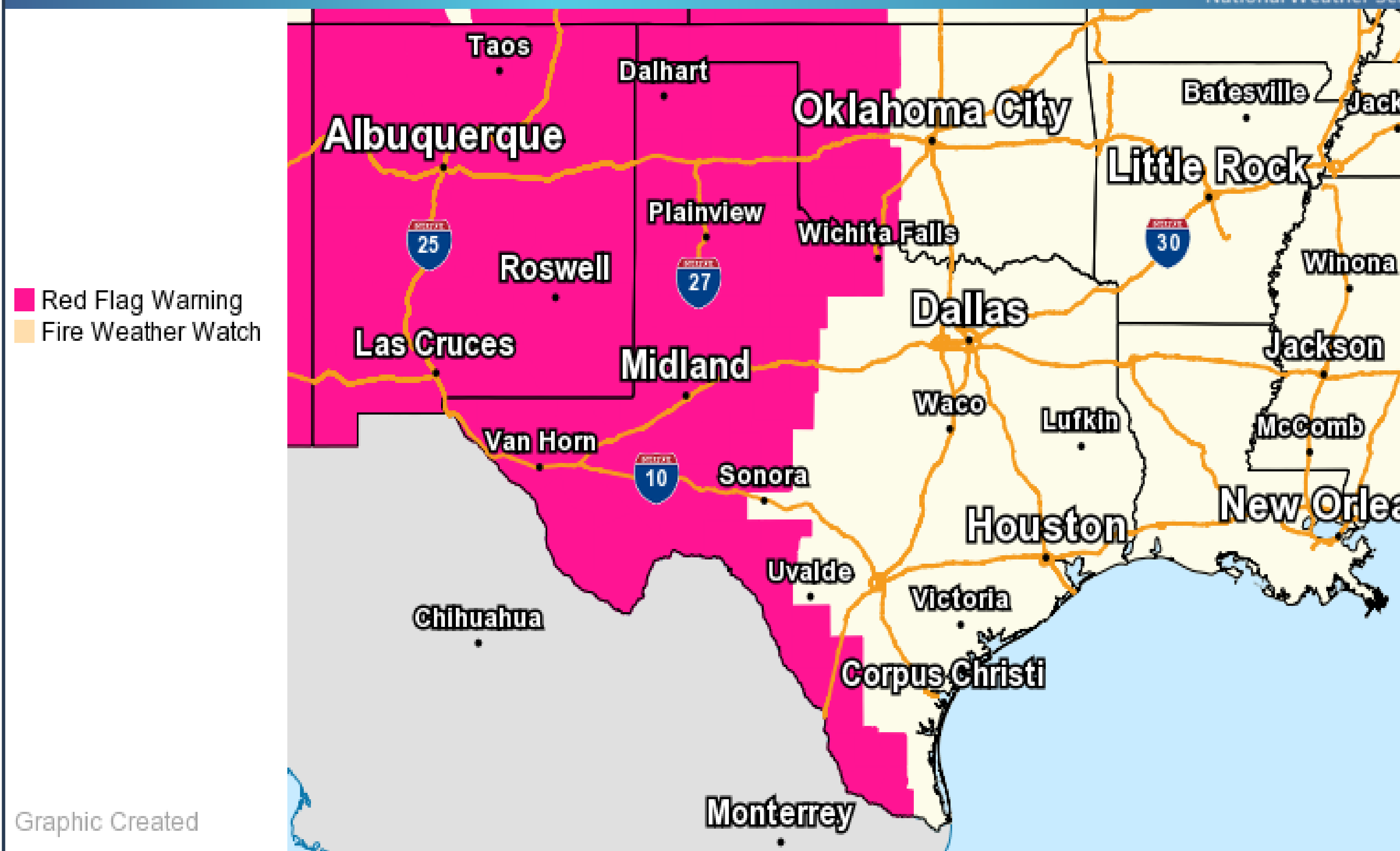


Today's Fire Weather Outlook



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Fire Weather Watches and Warnings



Red Flag Warnings are in effect across NM, West and South TX, and Western OK for critical fire weather conditions today.

Tomorrow's Weather

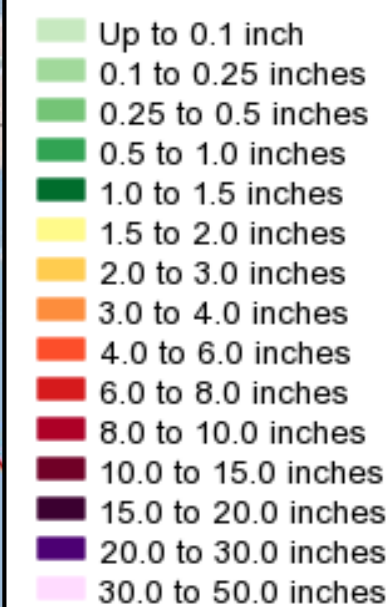
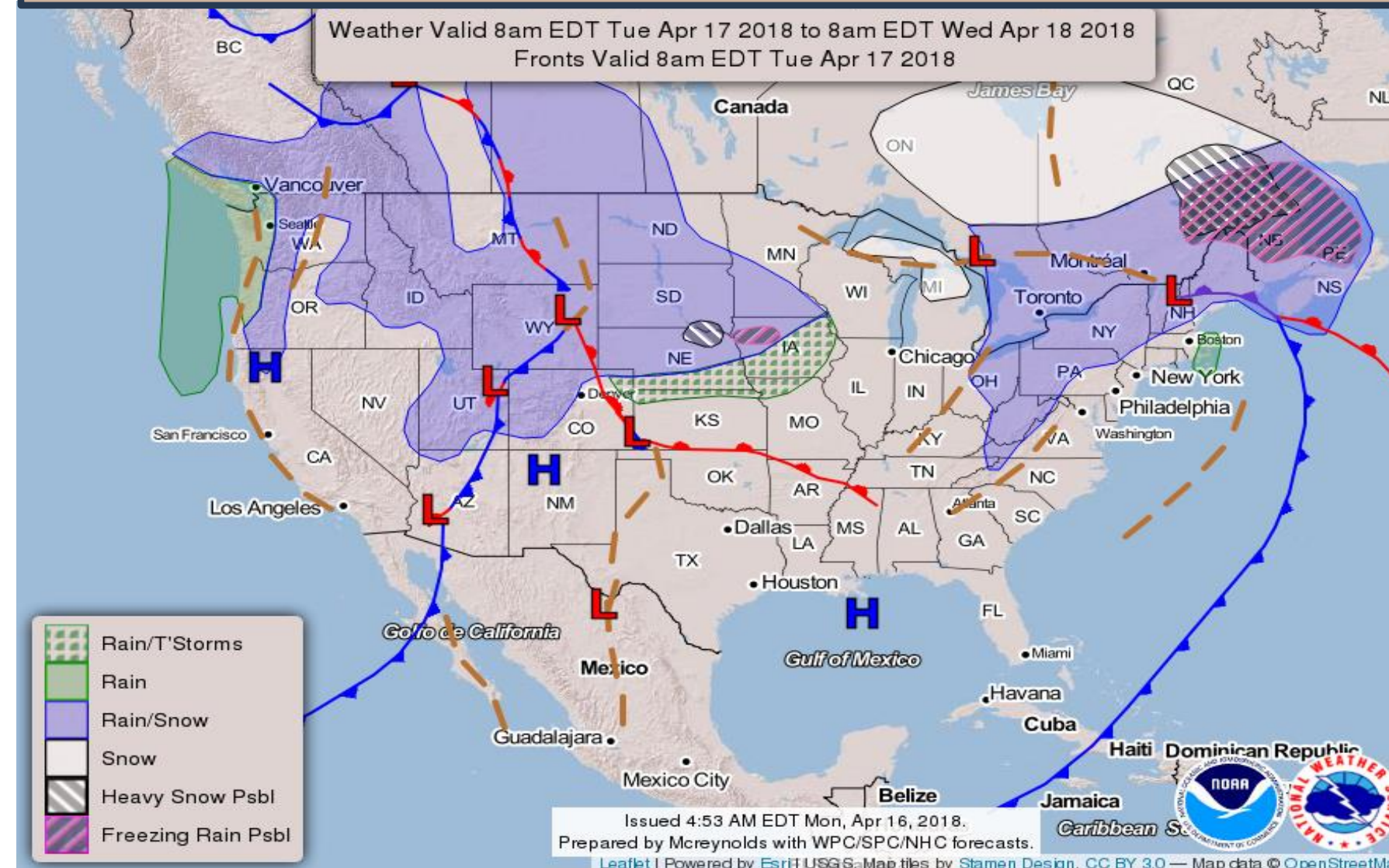


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Forecast Chart

Forecast Rainfall

No Significant Weather
expected.

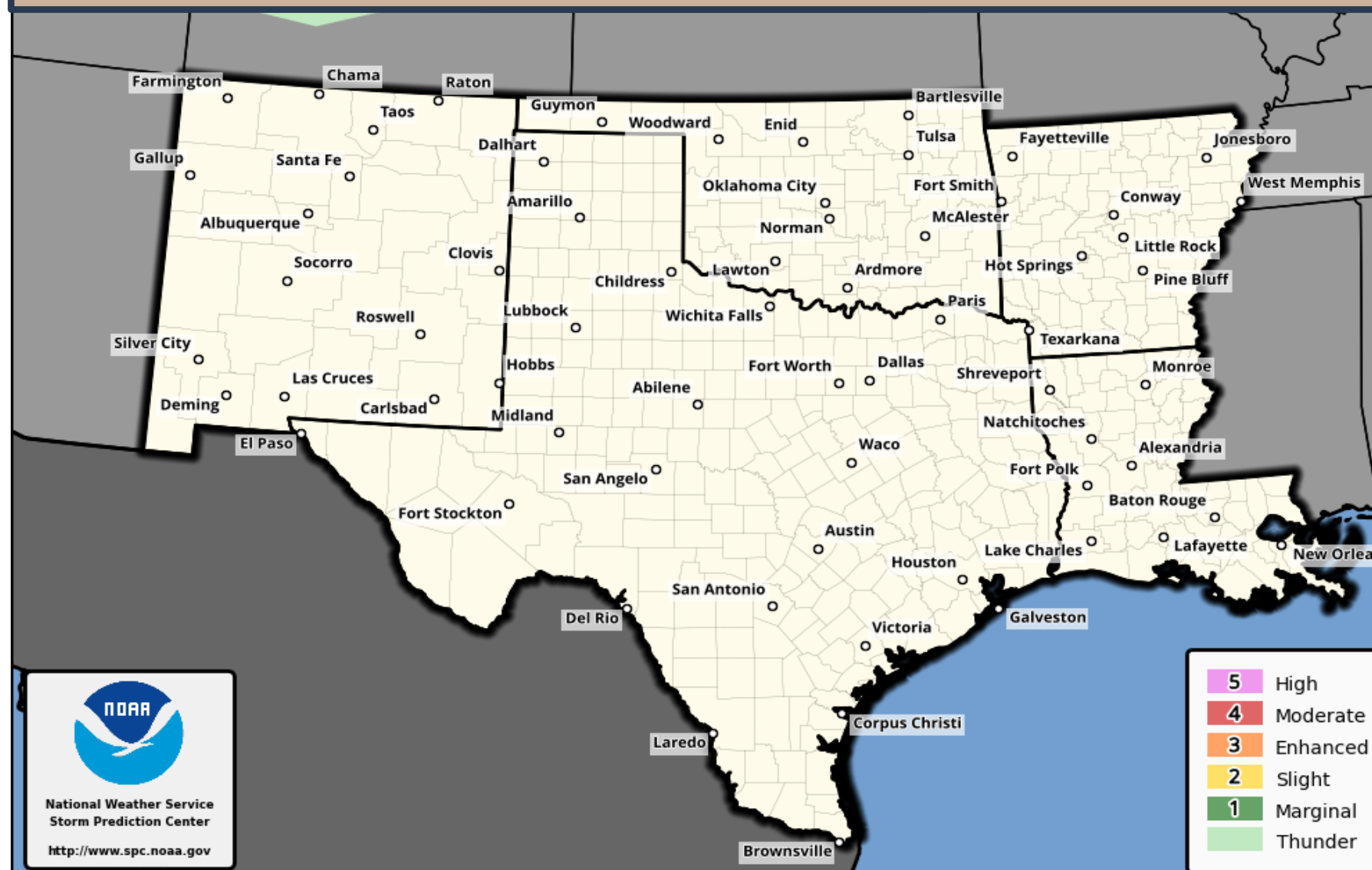


Graphic Created
April 16th, 2018
6:25 AM CDT



Severe Weather Outlook

Excessive Rainfall Outlook



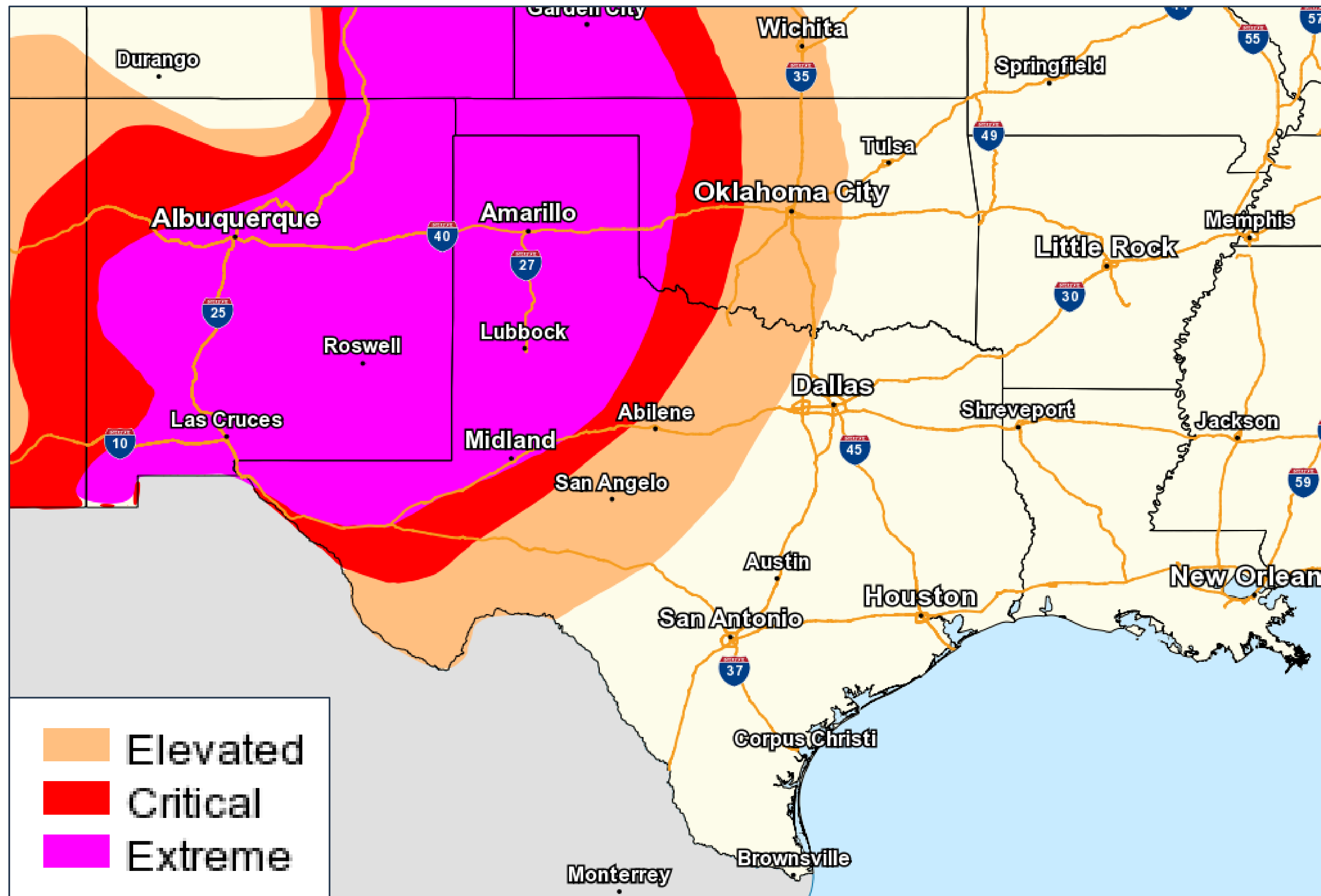
Graphic Created



Tomorrow's Fire Weather Outlook



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**Critical to Extremely Critical
Fire Weather Conditions across
NM into W TX and W OK.**

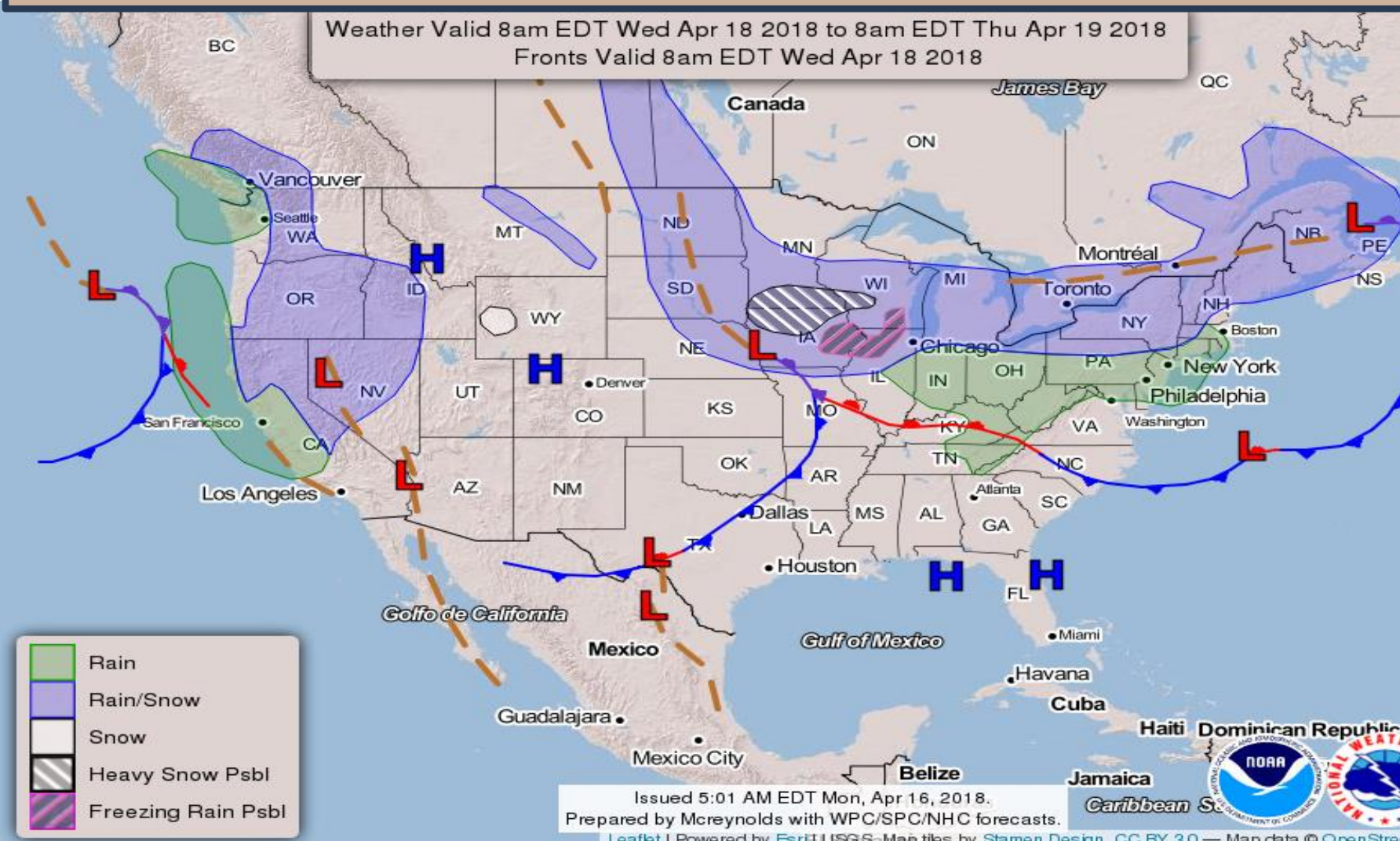
**Moderate to high threat of a
significant fire outbreak
possible for NE NM into the
TX/OK Panhandles and W OK.**

Wednesday's Weather

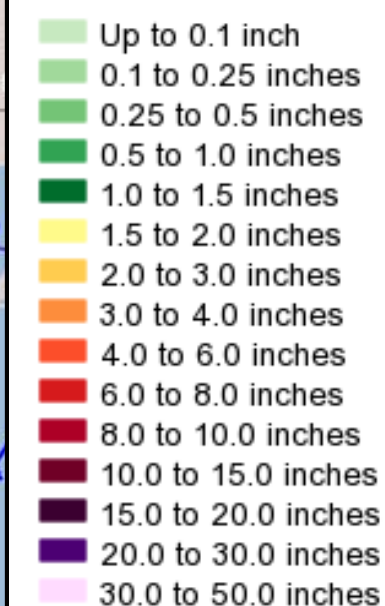


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Forecast Chart



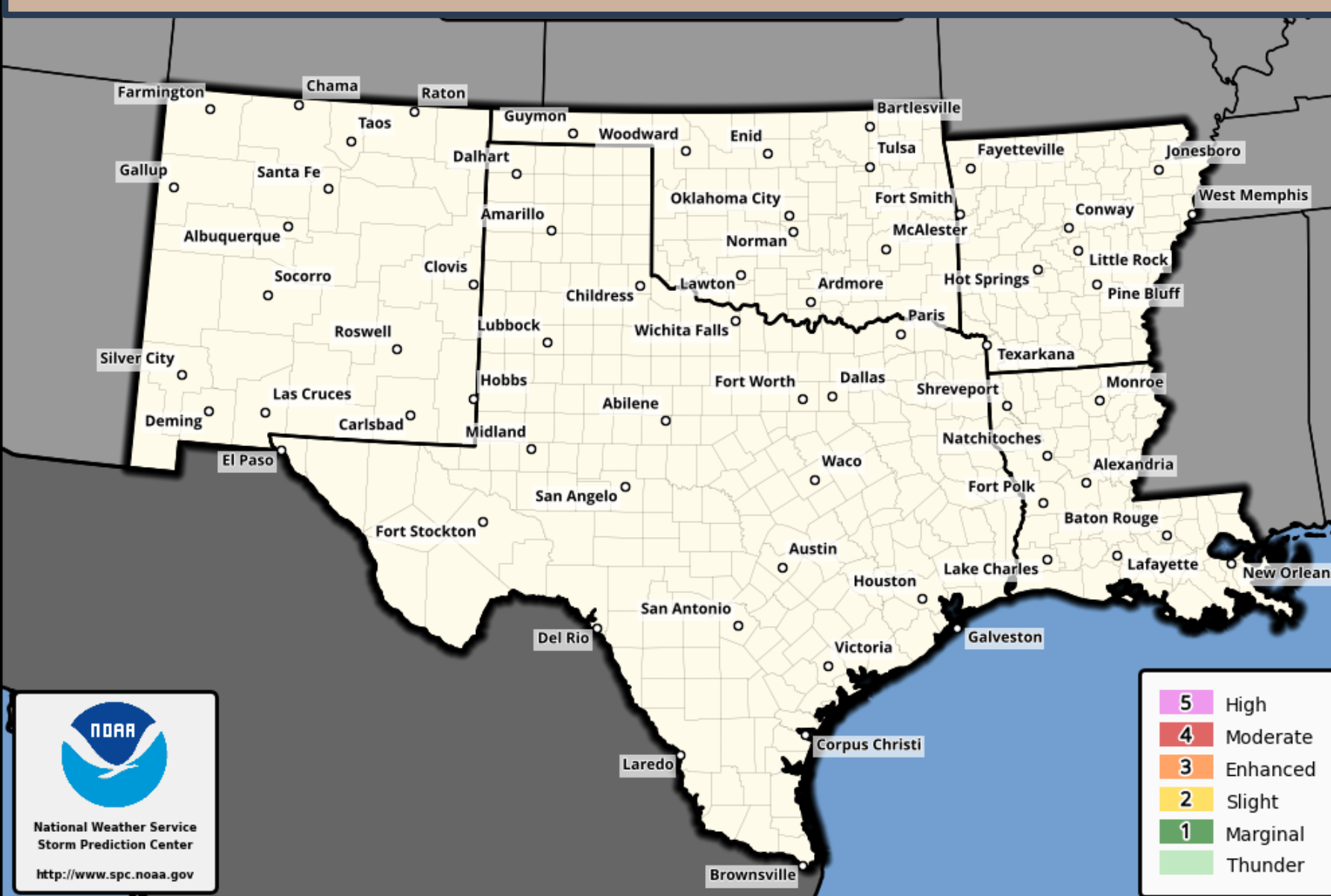
Forecast Rainfall



Graphic Created
April 16th, 2018

No Significant Weather
expected.

Severe Weather Outlook



Excessive Rainfall Outlook



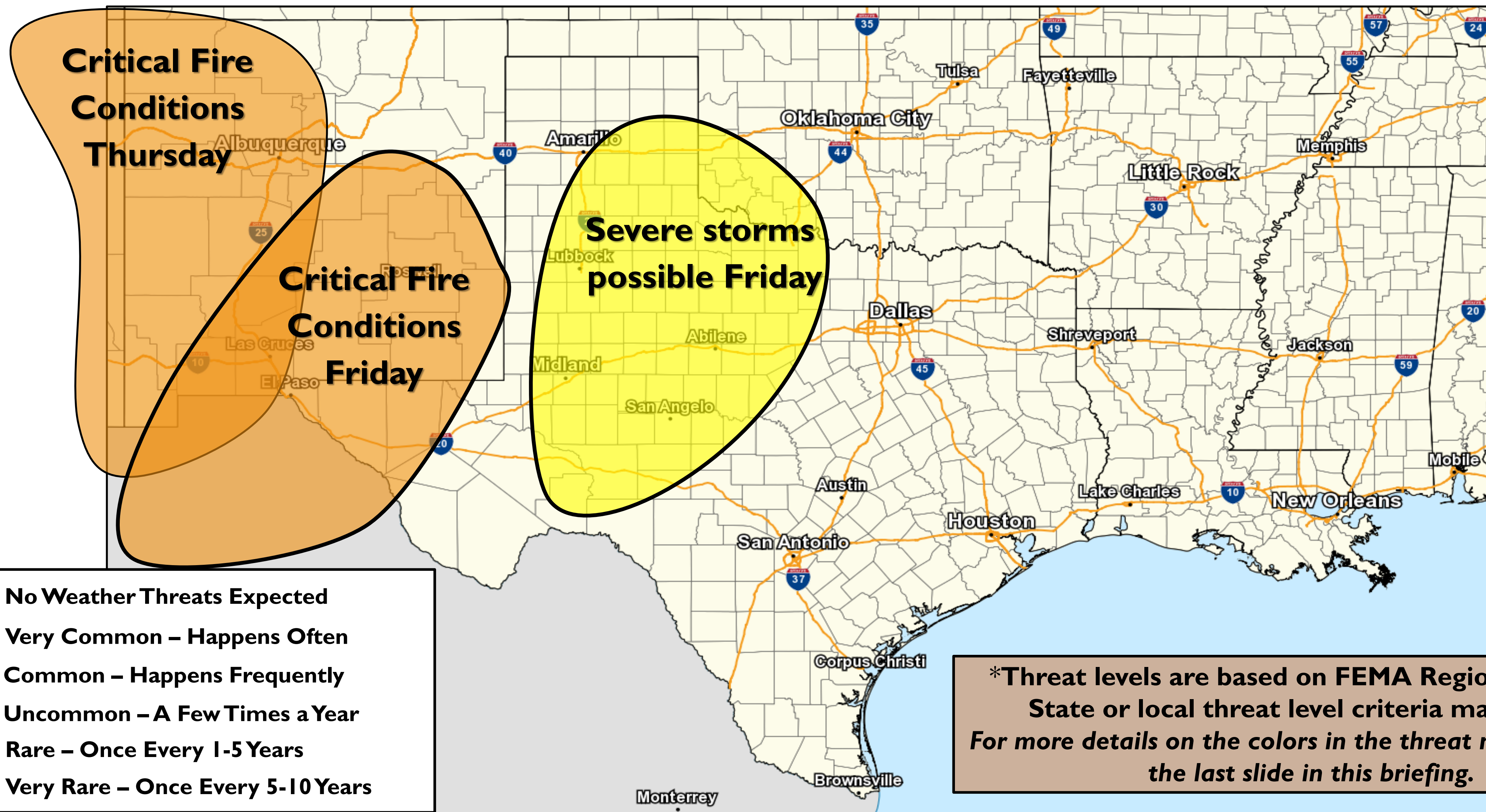
Graphic Created

Days 4-5 Weather Hazards

Thursday - Friday



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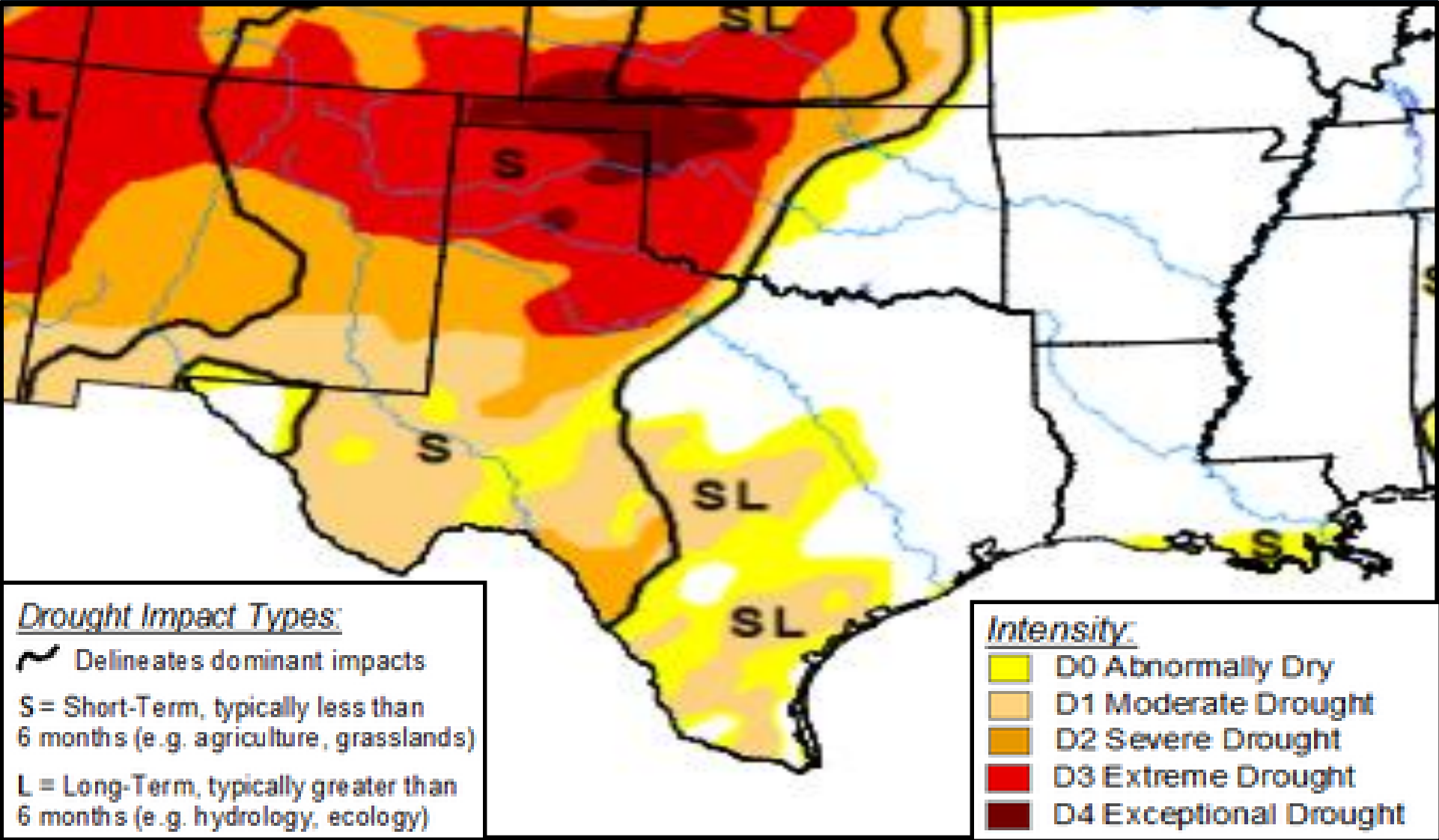
Drought Monitor (Released Apr 12th, 2018)



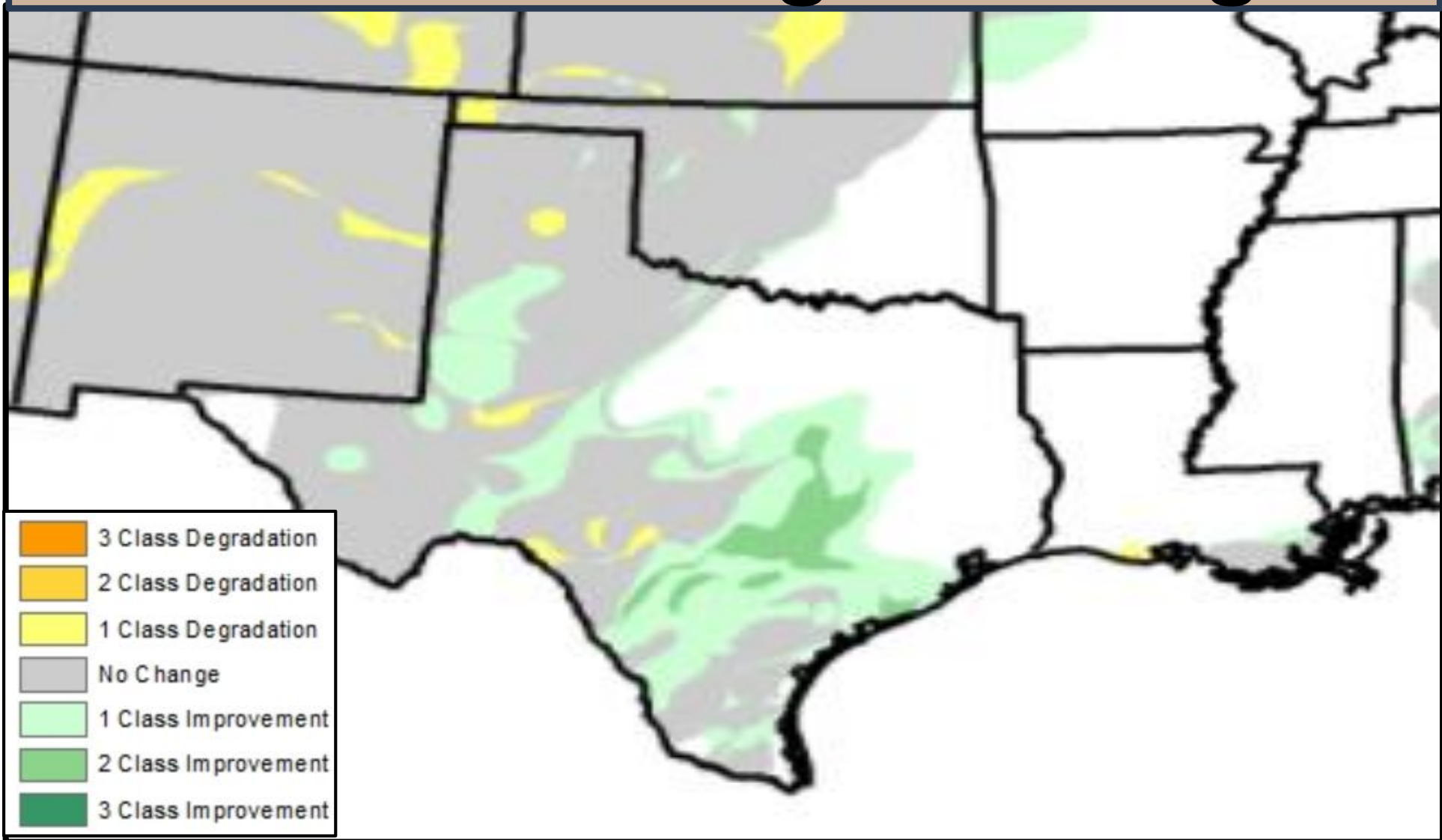
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Data valid as of 7am CDT, Tuesday, April 10rd, 2018

Drought Monitor



One Week Change in Drought



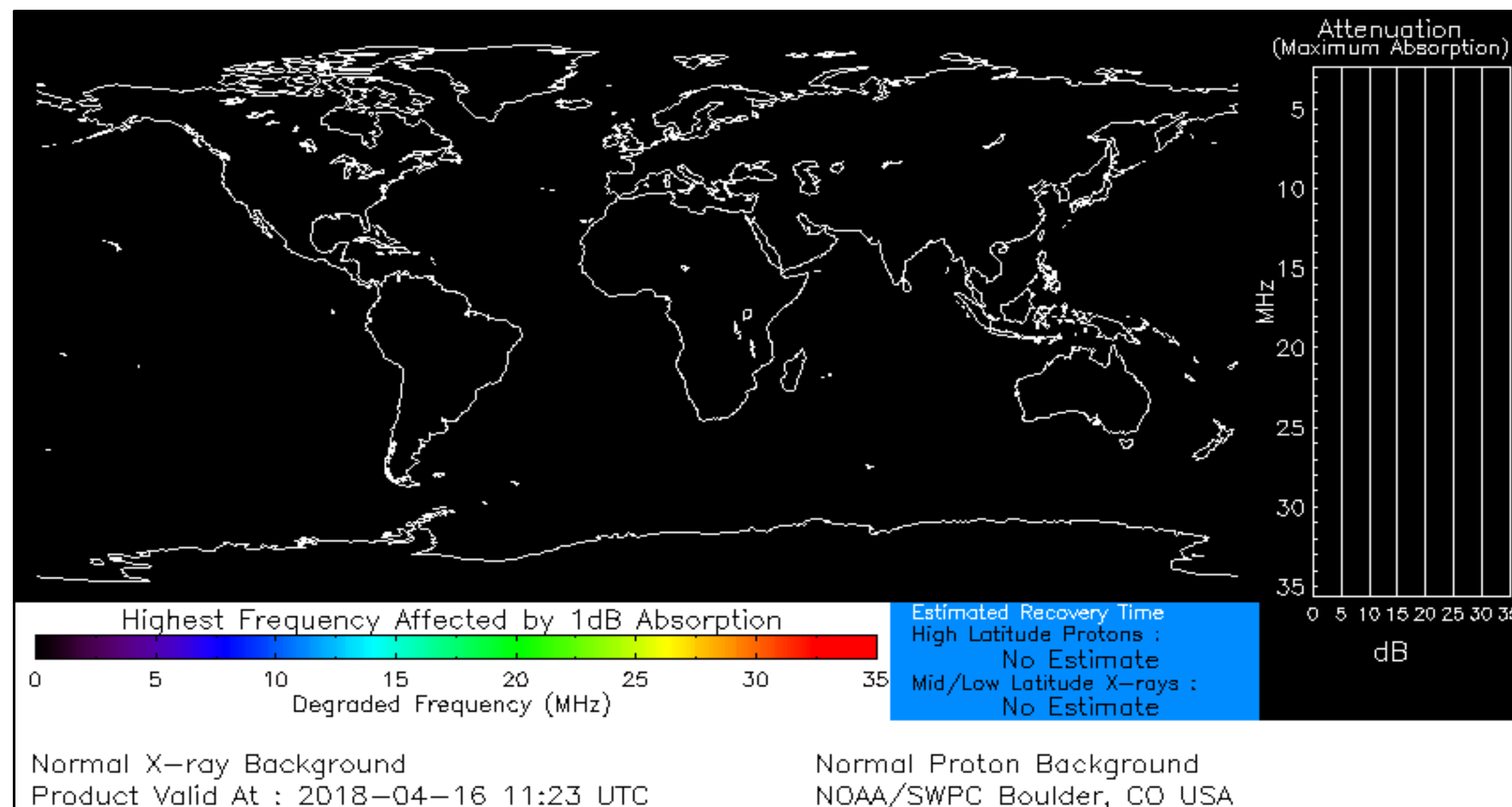
Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)				
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	2.37%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	34.85%	34.85%	7.03%	0.00%
Texas	13.21%	13.21%	0.39%	0.00%
New Mexico	45.92%	38.87%	0.00%	0.00%

Space Weather 3-Day Forecast



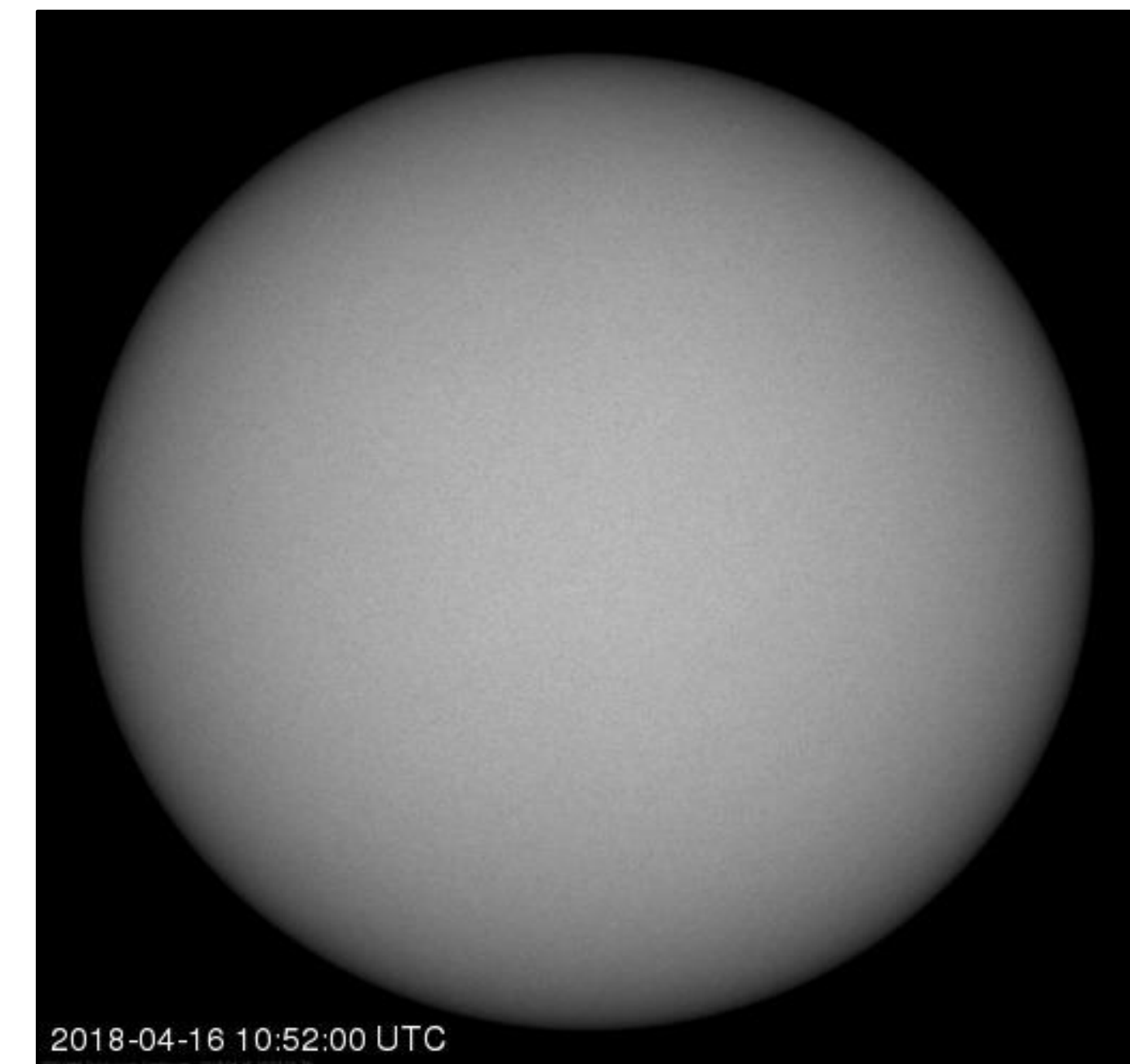
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov